

Attachment #5  
Rpt. Misc. - 35**SECRET**

11 June 64

SUBJECT: Quarterly Review Conference - PAR 211 - [REDACTED]

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VISITOR: [REDACTED]

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FROM [REDACTED]

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1. [REDACTED] indicated that this PAR is being investigated in two parts. First, three standard aerial films are processed in standard processes and analyzed; and second, the developer chemistry is varied for the processing of the same films, and edge quality of the films is compared. [REDACTED] indicated agreement of this technique. He indicated his group had independently arrived at the same method for the approach to the problem. The late start on PAR 211 was attributed to the analysis effort involved in studying the approach to the problem.

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2. The major effort to date has been setting up processing equipment and establishing repeatable controlled processing standards. Two developer formulations which yield fine grain negatives and two developers which produce high sharpness are included in this investigation. The process gamma for these developers have been matched to aid in the investigation. Accutance and granularity exposures have been made and processed, however, to date these films have not been read out. A computer program to handle data reduction has been established. [REDACTED] requested inclusion of modulation transfer function measurements and AF tribar target exposures in our test program to permit MTF and resolution comparisons. [REDACTED] indicated that low-contrast resolution targets provided better data than high-contrast targets.

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3. [REDACTED] indicated that some scatter in the plotting of MTF data in preliminary tests had been observed. Part of the cause for this scatter is currently attributed to the read-out equipment. Improvements are being investigated. [REDACTED] explained a technique involving a coherent optical system which would provide MTF comparisons without the use of a microdensitometer.

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4. [REDACTED] indicated that he would like to review and assist in preparing the specifications for the practical exposures which will be prepared for subjective analysis by trained P.I.'s (paragraph b, Phase II of PAR). He volunteered the services of a consultant trained in psychometric methods for this phase of the project.

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5. Activity in this PAR has been limited to studies of edge characteristics and developer composition. Work on Part 3, mensuration prints, will await a visit to the customer's shop for a briefing on equipment, processes and techniques used by the customer for mensuration, followed by a discussion on current deficiencies.  agreed to make preparations for this visit. 25X1

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